THE PATENT GALVANIZED IRON.

TUPPER and CARR,
Owners of Crawford's Patents, and Successors to
THE GALVANIZED IRON COMPANY,
Supply patent Galvanized Sheets, plain or corrugated, for roofing &c. Water or Gas Pipes, Castings, Wire of all gauges, Guttering, Hooping, &c. Wholesale, retail, and for export.

An allowance to the trade.

WORKS—WILLWALL and BIRMINGHAM.
LONDON OFFICE, 8, MANSION-HOUSE PLACE.

IRON BUILDING and ROOFING WORKS.

BIRMINGHAM, late of Southwark.
JOHN H. PORTER,
Manufacturer of the Corrugated and other kinds of Iron Roofing for railway stations, carriage sheds, farm buildings, gas-works, warehouses, factories, &c. &c.

PATENTEE
Of the Corrugated Iron Beams, Girders, and Fire-proof Floors.

THE PATENT GALVANIZING and CORRUGATING IRON COMPANY,

Glass-house Yard (opposite the Principal Entrance to the London Docks).
Offices—13, Crutched-friars.
J. BYRON DIX & CO. Managers.

The Proprietors, having made considerable improvements in the mode of working CRAWFORD'S Patent, for which they have a license, are now in a position to execute orders to any extent, in a manner hitherto unequalled, and they respectfully solicit the favours of Builders, Contractors, Merchants, and others.

The proximity of their premises to the docks affords peculiar facilities for the prompt execution of shipping orders.

On hand—for exportation or home consumption—Patent Galvanized Plain and Corrugated Sheets, for Iron Houses, Roofing, Railway Stations, Carriage Sheds, Farm Buildings, Gas Works, Warehouses, Factories, Docks, Verandas, Shutters, Partitions, Safety Chests, &c., Iron Guttering, Water and Gas Pipes, Hooping, Wire of all sizes, Chairs and Seats for Lawns, Pleasure Grounds, and Gardens, in great variety.

Goods sent for and returned, free of charge, within three miles of the City; and all light goods received at the Works by 9 in the morning, will be returned the same day, if required.

A Discount allowed to the Trade.

THE CORRUGATED and GALVANIZED IRON ROOF PORTABLE BUILDING, AND NASMYTH'S PATENT FLOORING, ROOFING, AND GIRDER WORKS.

Offices, 43, Gracechurch-street.

JOHN WALKER, son of the Patentee of Corrugated Iron, calls the attention of Architects, Engineers, &c., to his Lists of Prices, which, consistently with good workmanship, are extremely low.

Models of the patent Iron Sheeting, corrugated or not, and girders; also, drawings of roofs, on peculiar principles, may be had on application.

Drawings of the Iron lighthouses spoken of in the Times and other papers (see the Exposition for February 8th), may be seen by application.

References to firms of the highest class can be given.

JAMES ARTHUR MILES, Wholesale and Manufacturing Brass Founder, 18, Princes-lane, Queen-street, City, requests the attention of the trade to his stock of BRASS FOUNDERY, BELL CRANKS, and GAS FURNITURE, comprising a greater variety in each department than has hitherto been kept.

The CRANKS are arranged in twelve suites of different drafts and strengths, and from one to six fires. Also in the rough, mounted with copper pins, for second work. BELL-LEVERS and PULLS in bronze, pearl, ivory, glass, and china.

In GAS WORK, the whole of the patterns are entirely new. A large assortment of GAS PILLARS, PENDANTS, BRACKETS, and CHANDELIERS in hand. CORNICE-POLES, DRAW-RODS, WINDOW-FITTINGS, GASWORK, and every description of brass work manufactured on the shortest notice.

NO IRONMONGERY OF ANY DESCRIPTION KEPT IN STOCK.

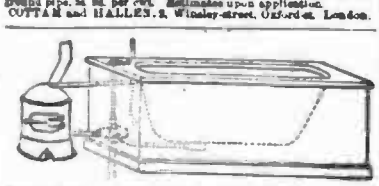
Agent for the sale of W. S. KENNEDY'S CHINA DOOR-FURNITURE, with Door's Patent Spindles, and whose stock is kept upon the premises. This stock is much larger in amount, and contains a larger variety of patterns than any other. Also,

CHINA LETTERS, GARDEN LABELS, COMMODE KNOBS, OTTOMAN FEET, &c., and a continual succession of novelties at the lowest prices. The above articles, in china, may be had retail of all respectable ironmongers throughout the Kingdom.

SAMUEL HOOD and Co., Castings Warehouse, 61, Upper Thames-street, REGISTERED STABLE FITTINGS. Enamelled Mangers, with double hay-racks or with enamelled water-cistern on one side.—Also, girders, columns, hot water pipes, rain water pipes, cisterns, rosettes, sash weights, &c., at the lowest prices.

COTTAM and HALLEN, 2, Winsley-street, Oxford-street, beg leave to draw attention to their new and improved patterns in STABLE FURNITURE. The manger, rack, and water-trough are placed in a line together, and may be had either plain, galvanized, or enamelled. Castings and wrought-iron work of every description, at the lowest scale of prices. Underground pipe, 3s. 6d. per cwt. Estimates upon application.

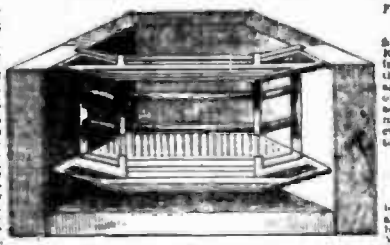
COTTAM and HALLEN, 2, Winsley-street, Oxford-st. London.



BATHS.—J. TYLOR and SON'S improved APPARATUS, consisting of copper or galvanized iron baths, coated with enamelled white or Sienna marbled inside, copper circulating boiler, with three-way cock for hot, cold, and waste water, complete. Is MOVEABLE, and does not require any BRICK WORK. Manufacturers of every description of boilers and coil pipes for heating baths or public buildings, hospitals, union workhouses, asylums, &c.—Apply to Ironmongers or Plumbers, or to the Manufacturers, Warwick-lane, London.

PIERCE'S REGISTERED IMPROVEMENTS in STOVE GRATES, for COTTAGES, BEDROOMS, &c.—The best and cheapest grate for all useful purposes, is PIERCE'S UNIVERSAL FIRE LUMP GRATE.

Made of the finest prepared fire-brass, in one entire piece very strong, with large bars, improved iron backs, bottom, and fender complete, and will burn either wood, coal, coke, or peat. Prices—small, 11s. 6d.; large, 18s. 6d.



From the *Art Journal*, Nov. 1850.
"We have frequently found occasion to speak favourably of the improvements which Mr. Pierce, of Jermyn-street, has made in the manufacture of stoves and fire-grates. The last novelty of this kind submitted to our notice, is a grate of very simple construction, termed a "Cottager's Grate," from its peculiar applicability to houses of that character; the sides and back are formed of "fire-clay," and are made of one piece. One of its greatest advantages is, that it may be transferred to any room having a fire-place, as it requires no fixing, and it will readily burn anything in the shape of fuel. We would recommend these as engaged in building houses, where such an article would be required, to inspect this useful invention."

From the *Mechanic's Magazine*, Sept. 6, 1850.
"This grate is peculiarly adapted for the Cottager, Labourer, Mechanic, Rustic, &c., as it performs admirably in this grate meeting attention, in that it may be used to warm an adjoining room either at the back of a bed-room, over it without any additional fire and by the admission of fresh air, give a cheerful degree of healthful warmth to render the room comfortable."

From the *Gardener's Chronicle*, Nov. 16, 1850.
"The most economical and very best open grates we have seen are the admirable fire-lumps, invented by Mr. Pierce, of Jermyn-street. We use them ourselves, and find them faultless."

PIERCE'S IMPROVED COTTAGERS' GRATES,
made of the same prepared Fire Lumps, which require no fixing when over, and can be used in any room having a chimney.

PIERCE'S PYRO-PNEUMATIC STOVE GRATES,
being the original and only PURE WARM AIR STOVES that are constructed wholly of the FINE PREPARED FIRE-CLAY, HAVING NO IRON whatever to communicate with the warming surfaces, producing healthful warmth, ventilation, and comfort, combined with economy. This medium of changing the cold external atmosphere into pleasant rarefied air is particularly adapted for CHURCHES, ENTRANCE HALLS, INFANTS' AND OTHER SCHOOLS, invalids' apartments, &c. Its cheerful open fire and enclosures, Trellis Panelling, Lamp and other Brackets, Candelabras, Bevel Bars, Water Chauffe Work, Arm Grasping Fly and other Wheels, Wheel Plates, &c.

BAKERS' OVEN WORK, Forge Backs and Troughs, Rain Water Pipes and Gutters, Sash Weights, Furnace Bars, Stoves, Ranges, &c., always in stock.

FULKES' RANGE and STOVE MANUFACTORY and BUILDERS' IRONMONGERY WAREHOUSE, Nos. 91 and 92, Park-street, Camden-town. An extensive and well-selected stock of all descriptions of Stoves, Ranges, and Builders' Ironmongery, at prices equally low as those of any house in the trade, and in many things much lower.

WARMING by HOT WATER.—J. WEEKS and Co., KING'S-ROAD, CHELSEA, solicit the honour of Architects to inspect their Hot-Water Apparatus, which is to be seen on their premises in extensive operation. Ornamental Pedestals and Stacks of Pipes in great variety, applicable for warming churches, mansions, entrance-halls, offices, conservatories, &c. TUBULAR BOILERS of all sizes, warranted to be the most efficient and economical of any yet introduced.—J. WEEKS and Co., Hot-Water Apparatus Manufacturers, King's-road, Chelsea.

TO BUILDERS AND CARPENTERS, &c.

J. H. BOOBBYER and CO., late Sturch and Boobbyer, Ironmongery, Brass Foundry, Nail, and Tool Warehouse, No. 14, Staple-street, Chase-side, London, for the supply of Carpenters, Builders, Cabinet-makers, Upholsters, &c., at wholesale prices.

Best Cut Sheet Flooring Brads 11s. 6d. per cwt.

Fine Cut Clasp and Rose.

1s. 6d.	1s. 6d.	1s. 6d.	1s.	1s. 6d. per cwt.
1½	1¼	1	¾	3 inch.

Best Bright Tower Bolts.

2s. 3d.	1s. 7d.	1s. 3d.	1s. 6d. per dozen.
5	4	3	6 inch.

Best Patent Sash Line.

No. 1	2s. 6d.	2s. 6d.	2s.	2s.	10s. 6d. per gross.
	5	4	3	2	

Cast Lath Nails, 12s. per cwt. Air Bricks, 2s. 6d. per dozen.

DR. ARNOTT'S VENTILATORS

10 by 9 inches	3s. each.
10 by 6	2s. each.

An assortment in Brass Bronzed, Gilt, &c.

An extensive stock of Mortise Locks, Iron Rim Locks, and Latches, of every description, at very reduced prices; also Door Furniture, in china, amber, crystal, ivory, glass, Indian horn, brass, &c., with Finger-plate, Bell-pulls, and Levers en suite. B. and Co. are the inventors of SHIFTING BOLT MORTISE LOCKS, &c., so universally approved of.—Established nearly five years, for the supply of goods from the best manufactories at the lowest prices.

CLARK and HUNT'S IRONMONGERY, STOVE and METAL WAREHOUSE 130, Shoreditch.

Strong Elliptic fenders, with extra back, 3½d. per inch.
Register Stoves, 5d. per in. h.
3-ft. Self-acting Cottage Ranges, with Oven and Boilers, 35s. each.
3-ft. Self-acting ditto, with wrought bars and bright fittings, 3os. ea.

Cast Rain-water Pipe	2	3½	5 inch.
	6d	10d.	1s. per yard.

Cast Gutters—4 inch, 9d. per yard.

O.G. Gutters	11d.	1s. per yard.
	4½ inch.	

Best Cut Clasp	1½	1¼	1	¾	3 inch.
and Rose	1s. 6d.	1s.	1s. 6d.	1s.	1s. per cwt.

Short Flooring Brads, 11s. 6d. per cwt.
3 inch Cut Lath Nails, 1s. Cast Lath, 2s. 6d.
4 inch 3-Bolt Bed Ward Mortice, with best Furniture and Patent Spindles, 3s. 6d.
Light Elliptic and Rectifier Meat, 12s. per cwt.
Hot Water Pipes, 1s. 6d. per cwt.
Dr. Arnott's Ventilators, 3s. each.
An extensive stock of bar, rod, hoop, and sheet iron.

TO BUILDERS and CARPENTERS.—Elliptic Stoves, double backs, 7½d. per inch. Register Stoves, 5d. 6d. 6½d. 7½d. per inch. Self-acting Ranges, with circular ovens and back boilers, best wrought bars and bright fittings—

3 ft. 6 in.	3 ft. 6 in., 2 ft. 2	4 ft. 2 in.
£3 15s.	£4 10s.	£5 15s.

3-feet Cottage Ranges, with ovens and back boilers, 35s. each.
3-feet self-acting ditto, ditto ..... 35s. each
Air Bricks, 3s. 6d. per doz. 3-inch Cut Lath Nails, 1s. 6d. per cwt.
Best Patent Cut Clasp.

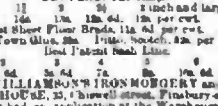
1¼	1¼	1	¾	3 inch and larger.
1s. 6d.	1s. 6d.	1s.	1s. 6d.	1s. per cwt.

Best Silver Floor Brads, 11s. 6d. per cwt.
Best Town Glue, 2½d. Prime, ditto, 2d. per cwt.
Best Patent Sash Line.

1	2	3	4	5	6
4s.	3s. 6d.	3s.	2s. 6d.	2s.	1s. 6d. per gross.

ALFRED WILLIAMSON'S IRONMONGERY and STOVE WAREHOUSE, 15, Chiswell-street, Finsbury-square.
Lists of Prices had on application at the Warehouse, or by letter, pre-paid, inclosing postage stamp.—Warehouse closes at 7 o'clock.
Clark and Hunt's Improved Glass Paper.

STOVES, RANGES, &c.



HAYWARD, BROTHERS, 198, Blackfriars-road, and 117 and 118, Union-street, Borough, IRON MONGERS, and MANUFACTURERS Of Self-acting Ranges, Elliptic and Rectifier Stoves, Arnott's Valves, &c.

SOLE WAREHOUSEKEEPERS OF
HENLY'S patent improved KITCHEN RANGE, with hot plate.
Wolfenden's patent radiating and reflecting Register Stoves, and
BIRMINGHAM'S VENTILATOR.

IRON FOUNDRY, 80, Goswell-street (late of Brick-lane, St. Luke's).—J. JONES having made great additions to his STOCK of PATTERNS, begs to inform the Trade, that he can now supply them with Plain and Ornamental Iron Columns, Girders, Railings, Gates, Iron Coping, Balconies, Window Guards, Verandas, Ornamental Staircase Panels, Iron Staircases, Tank Enclosures, Trellis Panelling, Lamp and other Brackets, Cantilevers, Bevel Bars, Water Chauffe Work, Arm Grasping Fly and other Wheels, Wheel Plates, &c.

BAKERS' OVEN WORK, Forge Backs and Troughs, Rain Water Pipes and Gutters, Sash Weights, Furnace Bars, Stoves, Ranges, &c., always in stock.

TO FLORISTS AND OTHERS.

J. JONES, Iron merchant, has always a great variety of CONICAL and SADDLE BOILERS in STOCK; also fire and copper bars, ornamental and plain supply cisterns, double doors and frames, furnace cross and doors for the same, hot water pipes, elbows, tees, syphons, throttle valves, stop cocks, flange and socket elbows, &c. also trough pipes, linchings and pieces of the above, on application to J. JONES, Iron-bridge-wharf, No. 6, Seabank-s, London, near the Southwark iron bridge.

TO ARCHITECTS AND BUILDERS.

CHUBB'S WROUGHT-IRON and FIRE-PROOF DOORS and FRAMES, for strong rooms. A large stock of the above of all sizes, made on the best principle, and of different strengths, fitted with CHUBB'S PATENT DETECTOR LOCKS, throwing from two to twenty bolts, can usually be had on sale, at very moderate prices. FIRE-PROOF SAFES of every size and Patent Detector Locks and Latches for all purposes.—C. CHUBB and SON, 128, Fleet-street, and 57, St. Paul's Churchyard, London.

FIREPROOF BRICK SAFES AND DEED-BOXES.

GRIGG and JENKINSON beg to offer to BANKERS, MERCHANTS, SOLICITORS, and MEN of MEANS in general requiring safe deposits for VALUABLE PAPERS, &c., a medium of security in their Wrought-iron Safes and Deed-boxes, not to be surpassed. They embrace in a peculiar manner all requisite features—great strength and greatness, undoubted resistance to FIRE and LOCKS which it is impossible either to force or pick. Their prices are strictly moderate. Also IRON DOORS, and every description of strong Fire-proofs. Manufacturers, GRIGG and JENKINSON, Pinsbury Iron Works, 119 and 120, Bunhill-row.

COLLINGE'S PATENT HINGES.—Sole Manufacturers, CHARLES COLLINGE and Co., 6, Bridge-road, Lambeth, where a great variety are always on view for church, park, railroad, combination, and other gates and doors of large and small dimensions, a pair of a ton weight moving with these hinges as easily as a wicket. Ornamental hinges, adapted for drawing-rooms, &c.; doors fitted with them may be removed and replaced in an instant. Knuckle and double-acting spring hinges, and other joints for fastenings, at moderate prices. None genuine unless marked "Charles Collinge's Patent, Lambeth." Plain and ornamental cast and wrought-iron work, for building and other purposes. Engines, machinery, patent knife-iron sugar-mills, &c.

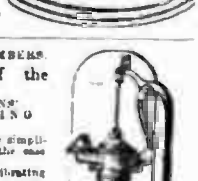
CHURCH and TURRET BELLS cast to any weight, and tuned. Ship, plantation, house, sheep, cup, and clock bells of any size.

MUSICAL HAND BELLS

Tuned to the chromatic scale, with improved clappers, and peeled on a new system, which gives a superior tone and facility for ringing.

Memorial Brasses, Pulpit Lights, and Brackets &c.

Old Bells recast or taken in exchange.



J. WARNER and SONS,
BELL FOUNDERS,
ENGINEERS, &c.

TO BUILDERS AND PLUMBERS.

THE attention of the Trade is called to JOHN WARNER & SONS' PATENT VIBRATING STANDARD PUMP,

which is recommended for the simplicity of its construction, and the ease with which it works.

By the introduction of the vibrating standard the cumbrous cast-iron and expensive slings and guides are unnecessary, rendering the latter considerably less than pumps made on the old plan.

Beer and Water Engines for raising fluids from a depth not exceeding 30 feet; also, Garden Engines constructed on the same principle.

JOHN WARNER & SONS,
8, Crescent, Jewin-street, London,
Manufacturers and Patentees.

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